APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/187,284	11/05/1998	PATRICK LYNN	PLAT1005MCF/	2843

7590   08/26/2002

Richard F Jaworski
Cooper & Dunham LLP
1185 Avenue of the Americas
New York, NY   10036

EXAMINER
GOOD JOHNSON, MOTILEWA

ART UNIT	PAPER NUMBER
2672	

DATE MAILED: 08/26/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 07-01)

<table>
<tr><td rowspan="2">Office Action Summary</td><td>Application No.
09/187,284</td><td>Applicant(s)
LYNN ET AL.</td></tr>
<tr><td>Examiner
Motilewa A. Good-Johnson</td><td>Art Unit
2672</td></tr>
</table>

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *12 July 2002* .

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-26 and 29-37* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-26, 29-37* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11)☐ The proposed drawing correction filed on _____ is: a)☐ approved b)☐ disapproved by the Examiner.

    If approved, corrected drawings are required in reply to this Office action.

12)☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____ .

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

14)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

    a) ☐ The translation of the foreign language provisional application has been received.

15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

<table>
<tr><td>1)☐ Notice of References Cited (PTO-892)</td><td>4)☐ Interview Summary (PTO-413) Paper No(s). _____ .</td></tr>
<tr><td>2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)</td><td>5)☐ Notice of Informal Patent Application (PTO-152)</td></tr>
<tr><td>3)☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ .</td><td>6)☐ Other: .</td></tr>
</table>

DETAILED ACTION

1.   This action is responsive to communications: application, filed on 11/05/1998;

Amendment A, filed on 06/27/2000; Preliminary Amendment B, filed on 09/24/2001;

Amendment C, filed on 10/01/2001.

This action is made final.

2.   Claims 1-26 and 29-37 are pending in the case. Claims 1, 10, 14, 20, 26, 31-33

and 35 are independent claims. Claims 1, 2, 8, 9, 11, 12, 14, 15, 19-21 and 25 have

been amended. Claims 26-33 have been added.

3.   The present title of the application is "Method and Apparatus for Interfacing with

Intelligent Three-Dimensional Components" (as originally filed).

Claim Rejections - 35 USC § 103

4.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

5.   Claims 1-26 and 29-37 are rejected under 35 U.S.C. 103(a) as being

unpatentable over Carey, U.S. Patent Number 5,977,978, in view of Nahaboo et al.,

U.S. Patent Number 5,974,253.

As per independent claim 1, **a method of interfacing with a three-dimensional object that is displayed, said method comprising: defining said three-dimensional object as a component with a component interface . . . containing an intelligent content;** Carey et al. discloses in col. 3, lines 40-43; **displaying said component interface;** Carey et al. discloses in col. 3, lines 9-12; **and interfacing with said three-dimensional object through said component interface.** Carey et al. discloses in col. 3, lines 12-14.

However, it is noted that Carey fails to disclose interfacing with three-dimensional content and interfacing content, without external interfacing scripting. Nahaboo et al. discloses generating an interactive interface description tool, col. 1, lines 35-39. It would have been obvious to one of ordinary skill in the art at the time of the invention of Carey to include interactive interface description tool of Nahaboo to develop programs that are user-friendly and to further allow for necessary changes to the activation of an operation using a different context or user.

With respect to dependent claim 2, **defining . . . comprises: defining said component in a three-dimensional content language;** Carey et al. discloses in col. 5, lines 40-43; **. . . at least one property to describe said component;** Carey et al. discloses in col. 5, lines 55-60; **and . . . at least one route to interface said component with a second component . . .** Carey et al. discloses in col. 6, lines 14-15.

With respect to dependent claims 3, 13, 16 and 22, **. . . three-dimensional content language is a virtual reality modeling language.** Carey et al. discloses in col. 1, lines 7-14.

With respect to dependent claim 4, . . . **at least one property is selected from the group consisting of color, shape, transformation, behavioral, event handling and grouping.** Carey et al. discloses in col. 3, lines 25-28.

With respect to dependent claim 5, . . . **at least one route is selected from the group consisting of event and action as an event model for the component.** Carey et al. discloses in col. 5, lines 65-67.

With respect to dependent claim 6, . . . **component interface is selected form the group consisting of group, pickable, transformable, colorable and texture.** Carey et al. discloses in col. 3, lines 15-28.

With respect to dependent claim 7, . . . **component interface is selected from the group consisting of a smart property list, a smart property, a smart widget, a smart factory, a property, a property list, and extension and an extension factory.** Carey et al. discloses in col. 6, lines 14-35.

With respect to dependent claim 8, . . . **displaying said component interface comprises displaying said component interface on a cathode ray tube display.** Carey et al. discloses in col. 2, lines 58-62.

With respect to dependent claim 9, . . . **interfacing with said component comprises: providing a plurality of component interfaces;** Carey et al. discloses in col. 3, lines 60-61; **selecting one of said plurality of component interfaces to access said intelligent content;** Carey et al. discloses in col. 3, lines 61-65; **and interfacing with said three-dimensional object . . .** Carey et al. discloses in col. 3, lines 66-67.

As per independent claim 10, **an apparatus for interfacing with a three-dimensional object . . .**, it is rejected based upon similar rational as above independent claim 1, **a method of interfacing with a three-dimensional object . . .**

With respect to dependent claims 11-12, see above rejection for dependent claims 2 and 8 respectively.

As per independent claim 14, **a computer system for interfacing with a three-dimensional object . . .**, it is rejected based upon similar rational as above independent claim 1, **a method of interfacing with a three-dimensional object . . .**

With respect to dependent claims 15, 17-19, see above rejection for dependent claims 2, 6, 7 and 9 respectively.

As per independent claim 20, **a computer readable medium having a computer program stored thereon . . .**, it is rejected based upon similar rational as above independent claim 1, **a method of interfacing with a three-dimensional object . . .**

With respect to dependent claims 21, 23-25, see above rejection for dependent claims 2, 6, 7 and 9 respectively.

With respect to dependent claims 26-33, see above rejection for dependent claim 2 above.

With respect to dependent claim 34, **. . . component interface is interactive with said three-dimensional content through said interfacing content."** Nahaboo discloses in col. 3, lines 40-67.

As per independent claim 35, **"a method for interfacing with a three-dimensional object . . . comprising: defining a three-dimensional object as a component . . .** ; Carey discloses in col. 3, lines 40-43; **transmitting at least a portion of said component over a network; and displaying a component interface . . ."**

However, it is noted that Carey fails to disclose transmitting at least a portion over a network and displaying a component interface. Nahaboo discloses in col. 1, lines 29-39, an interface development tool for use in UNIX systems, and further discloses in col. 7, lines 66-67, changing the appearance of the interface. It would have been obvious to one of ordinary skill in the art at the time of the invention to include transmitting and displaying interfaces from the disclosure of Nahaboo to said interfaces in the disclosure of Carey to create programs that are user friendly and to further allow for necessary changes to the activation of an operation using a different context or user.

With respect to dependent claims 36 and 37, ". . . transmitted portion of said component is at least a portion of said three-dimensional content (interfacing content)." However, it is noted that both Carey and Nahaboo fail to disclose transmitted portion is at least a portion of three-dimensional content or interfacing content. Carey discloses in col. 5, lines 45-48, use of a collaborative environment. It would have been obvious to one of ordinary skill in the art at the time of the invention to include transmitting portions of three-dimensional content and interfacing content to create programs that are user friendly and to further allow for necessary changes to the activation of an operation using a different context or user.

Response to Arguments

6.   Applicant's arguments filed 06/27/2000 have been fully considered but they are

not persuasive.

Applicant argues that the cited art fails to teach a component being defined by a

three-dimensional content language and interfacing content with the three-dimensional

content without external interfacing scripting. Carey discloses setting three-dimensional

scenes generated by a user by interactively selecting a stage, having a predefined

environment, thus meeting the limitations of a defining a three-dimensional object

having intelligent content and interfacing with the three-dimensional object through

component interface. Nahaboo further discloses in col. 5, lines the interpreter is written

in an object-oriented manner and the objects are further classified or typed internally,

col. 5, lines 11-13, thus meeting the claim limitation of without external interface

scripting. It would have been obvious to one of ordinary skill in the art that both

invention use object oriented program language and thus making it obvious to modify

other said programming languages to develop programs that are user-friendly.

Conclusion

7.   **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time

policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later

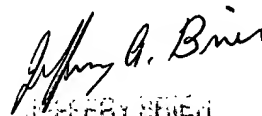than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Motilewa A. Good-Johnson whose telephone number is

(703) 305-3939. The examiner can normally be reached on Monday - Friday 8:30 AM -

5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Mike Razavi can be reached on (703) 305-4713. The fax phone numbers

for the organization where this application or proceeding is assigned are (703) 872-9314

for regular communications and (703) 872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or

proceeding should be directed to the receptionist whose telephone number is (703) 306-

0377.

Motilewa A. Good-Johnson
Examiner
Art Unit 2672

mgj
August 13, 2002

JEFFERY BRIER
PRIMARY EXAMINER